RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,504
Source: PCT
Date Processed by STIC: 10/14/2005

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PCT

RAW SEQUENCE LISTING DATE: 10/14/2005
PATENT APPLICATION: **US/10/551,504** TIME: 10:55:55

Input Set : **A:\14875-153US1sq.txt**
Output Set: **N:\CRF4\10142005\J551504.raw**

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      3 <110> APPLICANT: Tsunoda, Hiroyuki
      4       Nakano, Kiyotaka
      5       Orita, Tetsuro
      6       Tsuchiya, Masayuki
      7       Hirata, Yuichi
      9 <120> TITLE OF INVENTION: ANTI-MPL ANTIBODIES
     11 <130> FILE REFERENCE: 14875-153US1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/551,504
C--> 13 <141> CURRENT FILING DATE: 2005-09-29
     13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/018506
     14 <151> PRIOR FILING DATE: 2004-10-12
     16 <150> PRIOR APPLICATION NUMBER: JP 2003-415746
     17 <151> PRIOR FILING DATE: 2003-12-12
     19 <150> PRIOR APPLICATION NUMBER: JP 2004-71763
     20 <151> PRIOR FILING DATE: 2004-03-12
     22 <150> PRIOR APPLICATION NUMBER: JP 2004-248323
     23 <151> PRIOR FILING DATE: 2004-08-27
     25 <160> NUMBER OF SEQ ID NOS: 308
     27 <170> SOFTWARE: PatentIn version 3.1
     29 <210> SEQ ID NO: 1
     30 <211> LENGTH: 1572
     31 <212> TYPE: DNA
     32 <213> ORGANISM: Homo sapiens
     34 <400> SEQUENCE: 1
     35 atggactgga cctggaggtt cctctttgtg gtggcagcag ctacaggtgt ccagtcccag     60
     37 gtgcagctgg tgcagtctgg acctgaggtg aagaagcctg gggcctcagt gaaggtctcc    120
     39 tgcaaggctt ctggatacac cttcaccaac tcctggatga actgggtgag gcagaggcct    180
     41 ggaaagggtc ttgagtggat gggacggatt tatcctggag atggagaaac tatctacaat    240
     43 gggaaattca gggtcagagt cacgattacc gcggacgaat ccacgagcac agcctacatg    300
     45 gagctgagca gcctgagatc tgaggacacg gccgtgtatt actgtgcgag aggctatgat    360
     47 gattactcgt ttgcttactg gggccaggga accacggtca ccgtctcttc aggtggtggt    420
     49 ggatccggag gtggtggatc gggtggtgga ggatcggata ttgtgatgac tcagtctgca    480
     51 ctctccctgc ccgtcacccc tggagagccg gcctccatct cctgcaggtc tagtaagagt    540
     53 ctcctgcata gtaatggcaa cacttacttg tattggttcc agcagaagcc agggcagtct    600
     55 ccacagctcc tgatctatcg gatgtccaac cttgcctcag gggtccctga caggttcagt    660
     57 ggcagtggat caggcacagc ttttacactg aaaatcagca gagtggaggc tgaggatgtt    720
     59 ggggtttatt actgcatgca acatatagaa tatcctttta cgttcggcca agggaccaaa    780
     61 ctggaaatca aaggaggtgg tggatcgggt ggtggtggtt cgggaggcgg tggatcgcag    840
     63 gtgcagctgg tgcagtctgg acctgaggtg aagaagcctg gggcctcagt gaaggtctcc    900
     65 tgcaaggctt ctggatacac cttcaccaac tcctggatga actgggtgag gcagaggcct    960
     67 ggaaagggtc ttgagtggat gggacggatt tatcctggag atggagaaac tatctacaat   1020
     69 gggaaattca gggtcagagt cacgattacc gcggacgaat ccacgagcac agcctacatg   1080
     71 gagctgagca gcctgagatc tgaggacacg gccgtgtatt actgtgcgag aggctatgat   1140
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 73 gattactcgt ttgcttactg gggccaggga accacggtca ccgtctcttc aggtggtggt   1200
 75 ggatccggag gtggtggatc gggtggtgga ggatcggata ttgtgatgac tcagtctgca   1260
 77 ctctccctgc ccgtcacccc tggagagccg gcctccatct cctgcaggtc tagtaagagt   1320
 79 ctcctgcata gtaatggcaa cacttacttg tattggttcc agcagaagcc agggcagtct   1380
 81 ccacagctcc tgatctatcg gatgtccaac cttgcctcag gggtccctga caggttcagt   1440
 83 ggcagtggat caggcacagc ttttacactg aaaatcagca gagtggaggc tgaggatgtt   1500
 85 ggggtttatt actgcatgca acatatagaa tatccttta cgttcggcca agggaccaaa   1560
 87 ctggaaatca aa                                                      1572
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 91 <211> LENGTH: 524
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Homo sapiens
 95 <400> SEQUENCE: 2
 97 Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly
 98 1               5                  10                  15
101 Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys
102             20                  25                  30
105 Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe
106         35                  40                  45
109 Thr Asn Ser Trp Met Asn Trp Val Arg Gln Arg Pro Gly Lys Gly Leu
110     50                  55                  60
113 Glu Trp Met Gly Arg Ile Tyr Pro Gly Asp Gly Glu Thr Ile Tyr Asn
114 65                  70                  75                  80
117 Gly Lys Phe Arg Val Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser
118                 85                  90                  95
121 Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val
122             100                 105                 110
125 Tyr Tyr Cys Ala Arg Gly Tyr Asp Asp Tyr Ser Phe Ala Tyr Trp Gly
126         115                 120                 125
129 Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
130     130                 135                 140
133 Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Ser Ala
134 145                 150                 155                 160
137 Leu Ser Leu Pro Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg
138                 165                 170                 175
141 Ser Ser Lys Ser Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
142             180                 185                 190
145 Phe Gln Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met
146         195                 200                 205
149 Ser Asn Leu Ala Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
150     210                 215                 220
153 Gly Thr Ala Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
154 225                 230                 235                 240
157 Gly Val Tyr Tyr Cys Met Gln His Ile Glu Tyr Pro Phe Thr Phe Gly
158                 245                 250                 255
161 Gln Gly Thr Lys Leu Glu Ile Lys Gly Gly Gly Gly Ser Gly Gly Gly
162             260                 265                 270
165 Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Val Gln Ser Gly Pro
166         275                 280                 285
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Input Set : **A:\14875-153US1sq.txt**
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169 Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser
170     290                 295                 300
173 Gly Tyr Thr Phe Thr Asn Ser Trp Met Asn Trp Val Arg Gln Arg Pro
174 305                 310                 315                 320
177 Gly Lys Gly Leu Glu Trp Met Gly Arg Ile Tyr Pro Gly Asp Gly Glu
178                 325                 330                 335
181 Thr Ile Tyr Asn Gly Lys Phe Arg Val Arg Val Thr Ile Thr Ala Asp
182             340                 345                 350
185 Glu Ser Thr Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu
186         355                 360                 365
190 Asp Thr Ala Val Tyr Tyr Cys Ala Arg Gly Tyr Asp Asp Tyr Ser Phe
191     370                 375                 380
194 Ala Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly
195 385                 390                 395                 400
198 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met
199                 405                 410                 415
202 Thr Gln Ser Ala Leu Ser Leu Pro Val Thr Pro Gly Glu Pro Ala Ser
203             420                 425                 430
206 Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser Asn Gly Asn Thr
207         435                 440                 445
210 Tyr Leu Tyr Trp Phe Gln Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu
211     450                 455                 460
214 Ile Tyr Arg Met Ser Asn Leu Ala Ser Gly Val Pro Asp Arg Phe Ser
215 465                 470                 475                 480
218 Gly Ser Gly Ser Gly Thr Ala Phe Thr Leu Lys Ile Ser Arg Val Glu
219                 485                 490                 495
222 Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln His Ile Glu Tyr Pro
223             500                 505                 510
226 Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
227         515                 520
230 <210> SEQ ID NO: 3
231 <211> LENGTH: 5
232 <212> TYPE: PRT
233 <213> ORGANISM: Mus musculus
235 <400> SEQUENCE: 3
237 Ser Ser Trp Met Asn
238 1               5
241 <210> SEQ ID NO: 4
242 <211> LENGTH: 17
243 <212> TYPE: PRT
244 <213> ORGANISM: Mus musculus
246 <400> SEQUENCE: 4
248 Arg Thr Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys
249 1               5                   10                  15
252 Gly
256 <210> SEQ ID NO: 5
257 <211> LENGTH: 13
258 <212> TYPE: PRT
259 <213> ORGANISM: Mus musculus
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Input Set : **A:\14875-153US1sq.txt**
Output Set: **N:\CRF4\10142005\J551504.raw**

```
261 <400> SEQUENCE: 5
263 Gly Trp Ile Leu Ala Asp Gly Gly Tyr Ser Phe Ala Tyr
264 1               5                   10
267 <210> SEQ ID NO: 6
268 <211> LENGTH: 5
269 <212> TYPE: PRT
270 <213> ORGANISM: Mus musculus
272 <400> SEQUENCE: 6
274 Ser Ser Trp Met Asn
275 1               5
278 <210> SEQ ID NO: 7
279 <211> LENGTH: 17
280 <212> TYPE: PRT
281 <213> ORGANISM: Mus musculus
283 <400> SEQUENCE: 7
285 Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys
286 1               5                   10                  15
289 Gly
293 <210> SEQ ID NO: 8
294 <211> LENGTH: 9
295 <212> TYPE: PRT
296 <213> ORGANISM: Mus musculus
298 <400> SEQUENCE: 8
300 Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr
301 1               5
304 <210> SEQ ID NO: 9
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Mus musculus
309 <400> SEQUENCE: 9
311 Ser Ser Trp Met Asn
312 1               5
315 <210> SEQ ID NO: 10
316 <211> LENGTH: 17
317 <212> TYPE: PRT
318 <213> ORGANISM: Mus musculus
320 <400> SEQUENCE: 10
322 Arg Ile Tyr Pro Gly Asp Gly Glu Thr Asn Tyr Asn Gly Lys Phe Lys
323 1               5                   10                  15
326 Gly
330 <210> SEQ ID NO: 11
331 <211> LENGTH: 9
332 <212> TYPE: PRT
333 <213> ORGANISM: Mus musculus
335 <400> SEQUENCE: 11
337 Gly Phe Gly Asp Tyr Ser Phe Ala Tyr
338 1               5
341 <210> SEQ ID NO: 12
342 <211> LENGTH: 5
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Input Set : **A:\14875-153US1sq.txt**
Output Set: **N:\CRF4\10142005\J551504.raw**

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343 <212> TYPE: PRT
344 <213> ORGANISM: Mus musculus
346 <400> SEQUENCE: 12
348 Ser Ser Trp Met Asn
349 1               5
352 <210> SEQ ID NO: 13
353 <211> LENGTH: 17
354 <212> TYPE: PRT
355 <213> ORGANISM: Mus musculus
357 <400> SEQUENCE: 13
359 Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys
360 1               5                   10                  15
363 Gly
367 <210> SEQ ID NO: 14
368 <211> LENGTH: 9
369 <212> TYPE: PRT
370 <213> ORGANISM: Mus musculus
372 <400> SEQUENCE: 14
374 Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr
375 1               5
378 <210> SEQ ID NO: 15
379 <211> LENGTH: 5
380 <212> TYPE: PRT
381 <213> ORGANISM: Mus musculus
383 <400> SEQUENCE: 15
385 Arg Ser Trp Met Asn
386 1               5
389 <210> SEQ ID NO: 16
390 <211> LENGTH: 17
391 <212> TYPE: PRT
392 <213> ORGANISM: Mus musculus
394 <400> SEQUENCE: 16
396 Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys
397 1               5                   10                  15
400 Gly
404 <210> SEQ ID NO: 17
405 <211> LENGTH: 9
406 <212> TYPE: PRT
407 <213> ORGANISM: Mus musculus
409 <400> SEQUENCE: 17
411 Gly Tyr Asp Asp Tyr Ser Phe Ala Tyr
412 1               5
415 <210> SEQ ID NO: 18
416 <211> LENGTH: 5
417 <212> TYPE: PRT
418 <213> ORGANISM: Mus musculus
420 <400> SEQUENCE: 18
422 Asn Ser Trp Met Asn
423 1               5
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/14/2005
PATENT APPLICATION: **US/10/551,504** TIME: 10:55:56

Input Set : **A:\14875-153USlsq.txt**
Output Set: **N:\CRF4\10142005\J551504.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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Seq#:184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201
Seq#:202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219
Seq#:220,221,222,223,224,225,226,227

VERIFICATION SUMMARY DATE: 10/14/2005
PATENT APPLICATION: **US/10/551,504** TIME: 10:55:56

Input Set : **A:\14875-153US1sq.txt**
Output Set: **N:\CRF4\10142005\J551504.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date